

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-46. (canceled)

47. (new) A code division multiple access subscriber unit, comprising:

a circuit configured to output traffic data, wherein a rate at which the traffic data is output from the circuit is one of a plurality of rates selected by the circuit, the traffic data being spread coded and carried by a first channel, the circuit being further configured to generate a second channel, the second channel being a pilot channel, which does not carry the traffic data, the second channel carrying information adapted to facilitate processing of radio frequency signals by a base station; and

an antenna coupled to the circuit, the antenna being configured to output a signal carrying the first and second channels.

48. (new) A code division multiple access subscriber unit of claim 47 wherein the circuit configured to output a third channel carrying control information and the antenna being configured to output the signal carrying the first, second and third channels.

49. (new) A code division multiple access subscriber unit of claim 48 comprising a power control circuit, the power control circuit configured to receive a stream of power commands and adjusting a gain of the outputted signal in response to the received stream of power commands.

50. (new) A code division multiple access subscriber unit of claim 49 wherein a gain of each of the first, second and third channels is individually controlled and a transmission gain of the first, second and third channels are adjusted together in response to each received power command.

51. (new) A code division multiple access subscriber unit of claim 50 wherein the gain of each of the first, second and third channels are fixed in proportion to each other.

52. (new) A code division multiple access subscriber unit of claim 47, wherein the circuit is further configured to output a power control bit, the power control bit being based on a power level of at least an input channel supplied to the antenna and an interference level associated with the input channel.

53. (new) A code division multiple access subscriber unit of claim 52, wherein the power control bit is one of a plurality of power control bits, the plurality of power control bits are not error protected.

54. (new) A code division multiple access subscriber unit of claim 47, wherein the traffic data is traffic data associated with a service.

55. (new) A communication method, comprising:
producing traffic data;
selecting a data rate associated with the traffic data from among a plurality of data rates;

spread coding the traffic data;
supplying the spread coded data to a first channel;
generating a second channel, the second channel being a pilot channel, which does not carry the traffic data, the second channel including information which is adapted to facilitate processing of radio frequency signals by a base station;
outputting a signal carrying the first and second channel with a user antenna of a code divisions multiple access subscriber unit.

56. (new) A communication method in accordance with claim 55, further including spread coding the second channel.

57. (new) A communication method in accordance with claim 55, further including:

determining a power control bit based on a power level of at least an input channel supplied to the antenna and an interference level associated with the input channel; and

outputting the power control bit.

58. (new) A communication method in accordance with claim 57, wherein the power control bit is one of a plurality of power control bits, the plurality of power control bits are not error protected.

59. (new) A communication method in accordance with claim 57, wherein the power control bit is one of a plurality of power control bits, the plurality of power control bits are not subject to forward error correction encoding.

60. (new) A communication method in accordance with claim 57 wherein the power control bit is further based on a ratio of said at least the input channel carried by the first signal and the interference level associated with the input channel.

61. (new) A communication method in accordance with claim 55 comprising generating a third channel carrying control information, wherein the antenna outputting the signal carrying the first, second and third channels

62. (new) A communication method in accordance with claim 61 comprising receiving a stream of power commands and adjusting a gain of the outputted signal in response to the received stream of power commands.

63. (new) A communication method in accordance with claim 62 wherein a gain of each of the first, second and third channels is individually controlled and a transmission gain of the first, second and third channels are adjusted together in response to each received power command.

64. (new) A communication method in accordance with claim 63 wherein the gain of each of the first, second and third channels are fixed in proportion to each other.

65. (new) A communication method in accordance with claim 55, wherein the traffic data is traffic data associated with a service.